

# INTERNATIONAL SEARCH REPORT

International application No.

PCT/CN2005/000124

## A. CLASSIFICATION OF SUBJECT MATTER

IPC<sup>7</sup> G06F 3/023 H01H 13/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC<sup>7</sup> G06F 3/023 G06F 3/00 H01H 13/00 H01H 13/52 H01H 13/70 H01H 13/14

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

WPI EPODOC PAJ CNPAT USPAT 键盘 键 按键 按钮 弹性 薄膜电路板 薄膜电路 齿轮 齿 key# keyboard spring flexibility gear gear wheel tooth teeth elastic+ thin-film

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	CN, Y, 2615846 (WANG,Mingxue) 12.May.2004 (12.05.2004) Description Page 4 Line25 to Page 5 Line25, Fig1-Fig3	1、2、5
Y	CN, Y, 2368074 (FUJIN PRECISIVE IND SHENZHEN CO LTD) 08.Mar.2000 (08.03.2000) Description Page 2 Line 13 to Page 3 Line 21, Fig3、Fig4	3-6
Y	JP, A, 2002298685 (BROTHER KOGYO KK) 11.Oct.2002 (11.10.2002) Description paragraph 17 to paragraph 39, Fig1-Fig6	1-6
A	US, A, 5813521 (FUJISTU TAKAMISAWA COMPONENT LIMITED) 29.Sep.1998 (29.09.1998) The whole document	1-6

Further documents are listed in the continuation of Box C.

See patent family annex.

• Special categories of cited documents:	
"A"	document defining the general state of the art which is not considered to be of particular relevance
"E"	earlier application or patent but published on or after the international filing date
"L"	document which may throw doubts on priority claim (S) or which is cited to establish the publication date of another citation or other special reason (as specified)
"O"	document referring to an oral disclosure, use, exhibition or other means
"P"	document published prior to the international filing date but later than the priority date claimed
"T"	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"X"	document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"Y"	document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"&"	document member of the same patent family

Date of the actual completion of the international search 25.Apr.2005 (25.04.2005)	Date of mailing of the international search report 19 · MAY 2005 (19 · 05 · 2005)
Name and mailing address of the ISA/CN The State Intellectual Property Office, the P.R.China 6 Xitucheng Rd., Jimen Bridge, Haidian District, Beijing, China 100088 Facsimile No. 86-10-62019451	Authorized officer QiJi Telephone No. 86-10-62085043

**INTERNATIONAL SEARCH REPORT**  
Information on patent family members

International application No.  
PCT/CN2005/000124

Patent Documents referred in the Report	Publication Date	Patent Family	Publication Date
CN2615846Y	12.May.2004 (12.05.2004)	NONE	
CN2368074Y	8.Mar.2000 (08.03.2000)	NONE	
JP2002298685A	11.Oct.2002 (11.10.2002)	JP3387917B2	17.Mar.2003 (17.03.2003)
US5813521A	29.Sep.1998 (29.09.1998)	DE19601492A1 DE19601492C2 JP9190735A US5657860A KR97012094A KR197046B2 TW281743A	13.Feb.1997 (13.02.1997) 20.Dec.2001 (20.12.2001) 22.Jul.1997 (22.07.1997) 19.Aug.1997 (19.08.1997) 29.Mar.1997 (29.03.1997) 15.Jun.1999 (15.06.1999) 21.Jul.1996 (21.07.1996)